

THE ESTANCIA NEWS

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BILL FREED OF STRINGS

Bursum Claims Objectionable Features Have Been Removed

TO COME UP TODAY

Congress will have until March 1 to Disapprove the State Constitution

That the bill granting statehood to New Mexico and Arizona will be reported favorably from the senate committee on territories during the present week, with practically all of the objectionable features of the bill removed; and that it will be passed by the senate without delay and with practically an unanimous vote.

This is the very cheerful message brought to New Mexico by Chairman H. O. Bursum, of the New Mexico Republican committee, who arrived in Albuquerque yesterday from a stay of several weeks in Washington, where he has been engaged in work with the senate committee in connection with the bill.

It is, by long odds, the most encouraging advice as to statehood which has been received since the Beveridge bill went to committee; for of late the press reports as regards the chances of the bill have not been very encouraging. Mr. Bursum says, however, that the press reports, for some reason which he does not understand, have not reflected the true condition of affairs in the senate committee or in the senate and that, instead of being discouraging, the outlook has never been so certain for success of the enabling act.

In addition, practically all of the provisions of the Beveridge bill, to which objection has been made, have been eliminated.

The provisions for the regular election in 1910, for territorial and county officers, which would have brought four general elections within a period of twelve months, have been eliminated and under the act as it now stands, officers elected in 1908 will hold over until the completion of the state government, while there will be no legislature in 1911.

The reservation by the government of power to control unappropriated irrigation waters and of supervision over power sites, to which general objection has been made, has been removed entirely.

There is still some question as to the amount of land which will be appropriated for caring for the territorial and county debt. The new state will be required to take care of the railroad aid bonds outstanding against Santa Fe and Grant counties. It is certain that sufficient land will be appropriated to care for these bonds. How much additional has not been determined, but Mr. Bursum believes the appropriation will be generous.

There will be no change in the provisions for representation in the constitutional convention, save an amendment

providing for representation for Curry county.

The matter of the franchise is causing no trouble as regards New Mexico, the franchise matter having come up in connection with the provision of the Beveridge bill, which repeals the Arizona election law of 1909, passed by the Democratic legislature of that territory and which, if allowed to stand, would disfranchise a large number of citizens.

The provision giving power to congress to reject the constitution, will remain. It has been amended, however, so that congress must reject the constitution prior to March 1, 1911, making it possible to fix definite dates for completion of the state government, which, as the bill now stands, will be in the early summer of 1911.

There will be a few, if any, other changes in the bill which Mr. Bursum expects to pass within a very short time.—Albuquerque Journal.

Estancians will Enjoy Treat

Estancians are to be treated to one of the best addresses they may expect to hear in some time on the evening of Wednesday, April 13th, when Hon. Henry R. Pattengill will speak here under the auspices of the territorial board of education, in connection with the county superintendent and teachers of the county. Mr. Pattengill served as state superintendent of schools of Michigan for four years, and is at present editor of Moderator Topics. During the past fifteen years he has been before the people of the nation as a lecturer and has made many friends by his practical, thorough and humorously pointed addresses. One of his lectures which has taken well with the people generally is "Gumption with a Big G." His address here is sure to be an inspiration not only to the teachers, but to every one interested in the matter of education, which should include every citizen of the valley. Watch the News columns for further announcements, and fix the date, April 13th.

The county teachers are also planning to hold a three days meeting here following the date of the lecture. Our people should bear this in mind and assist the local teachers in every way possible, especially in showing our interest in the schools, for nothing that we can do, will more greatly benefit our Valley than to make our schools the success they should be.

Temperance Lecture.

On Tuesday night, March 22, J. T. Connor, of south of town, will deliver an address along temperance lines at the M. E. church under the auspices of the local W. C. T. U. Mr. Connor is well read, which added to his splendid command of language, assures our people something worth their while. Everybody is cordially invited to be present.

U. S. Deputy Surveyor Pitt Ross has been working east and southeast of Estancia the past two weeks, locating saline lands.

The Estancia Millinery Parlors will have on display their Spring Millinery on next Saturday, March 19. The ladies of Estancia and vicinity are invited to call and inspect the stock.

550 GALLONS PER MINUTE IS TEST

Territorial Test of Spore Well Furnishes Data of Interest to Local Farmers

GOST OF PLANT COMPARATIVELY SMALL

Would Prove Success Used in Conjunction with Dry Farming in Seasons of Extreme Drouth. Not Successful in Deep Water Belts.

Bulletin No. 73, of the New Mexico College of Agriculture and Mechanic Arts, entitled, "Tests of Pumping Plants in New Mexico, 1908-1909," has just reached our desk. Among other tests described is one of the pumping plant of S. Spore, three miles east of Estancia, the test having been made on November 23 and 24, 1909, by B. P. Fleming, Irrigation Engineer.

"This plant is located about 3 miles from the town in the dry farming district known by that name. It was the first irrigation plant erected in that region for the purpose of supplementing the rainfall. By the erection of the plant the owner has theoretically achieved two ends, first he is able in seasons of abnormally low rainfall to raise a crop regardless of the natural precipitation, and second he is able to start his crop some time previous to the commencement of the summer rains which rarely begin before the first of July, resulting in a growing season between then and the time of first frosts which is too short for most crops. Although most dry farmers regard the use of a pumping plant as an indication of the defeat of dry farming principles, it is probably true that the use of a pumping plant for the two purposes above stated will in time be regarded as a good business principle regardless of whether or not it agrees with the opinion of those who stand for farming in this region merely by the natural rainfall.

The plant in question is rather unusual in type and a brief description of its construction may prove interesting. At the site where it is located, ground water is encountered at a depth of 12 feet. A large hole was excavated therefore by means of horses and scrapers to or slightly below this level or until the water flowing into the hole interfered with the work. A pump was then dug in the bottom of the hole as deep as it was possible to work and the elevator pump was then erected with the lowest bucket near the bottom of the pump. The pump was then operated and the pit drained, after which excavation was continued by scrapers until the level of the bottom of pump was reached, then the pump was dug deeper, new buckets added to the chain, the pit again drained and excavation renewed. This was continued until the pit reached a depth of about 12 feet below standing water level, when excavation was stopped and a crib work of rough timbers built in the bottom, to prevent caving in of the walls. Two 6-inch wells were then sunk in the bottom of the pit. These wells are cased for only about 17 feet at the upper end and no strainer is used. The water is conveyed upwards by the buckets, is dumped into a flume by which it is taken to the bank of the pit and flows into a shallow reservoir surrounding the pit on two sides from which it is then taken to the land. In operation the pit fills to the level of standing water previous to pump-

ing and is then rapidly drawn down under the action of the pump since the inflow from the bottom and sides is unequal to the capacity of the pump. When the pit is practically empty, the seepage from the wet surface of the pit together with the flow from the well in the bottom under the 12-foot draw-down, is scarcely sufficient to justify further operation until the pit fills again, which it does in from seven to nine hours.

The test of this plant was made under the unusual condition of a constantly varying head, due to the gradually emptying of the pit as above explained. Since no water frictional effects enter into this case the actual head pumped through was measured as the distance between the level of water in the pit and the mean level in the discharge flume. The falling of level in the pit was read on a long graduated gauge attached to one of the vertical timbers of the pump frame. Power was measured by an indicator, the reducing motion for the latter being very simply obtained by attaching vertically a specially forged rod to the head end piston, the gasoline engine being of the two piston type.

This table shows that the engine is very efficient so far as fuel consumption is concerned but the fuel cost of water per acre foot and per foot acre foot is somewhat high. This plant cost complete about \$1,400 including construction of pit and all expenses of erection together with cost of machinery and freight charges. Figuring interest, depreciation and taxes at 20 per cent on this amount and including operating costs we have:

Fixed charges per hour.....	\$.082
Attendance 1/4 of one man's time per hour.....	.075
Lubricating oil per hour.....	.005
Average fuel cost per hour (gasoline 22c per gal).....	.323
Total per hour.....	\$.435

Upon a basis of 550 gallons per minute which is about the average discharge when operating under normal conditions the total cost of water figures at the following rate:

Total cost per acre foot at surface \$4.30	
Cost per foot acre foot (average lift of 15 ft.).....	.286

This plant will be seen to be operating at a somewhat high cost per foot acre foot which is the final test of the efficiency of the plant although the cost per acre foot due to the comparatively low lift encountered is about the same as many other plants tested. If the plant were used in connection with dry farming as a means of averting crop failure in dry years it would probably be found to be an undisguised blessing to its owner but as a means of supplying water for the growth of alfalfa or as a regular means of irrigation for other crops it would probably be found a financial disappointment particularly in view of the very saline character of the surface water which now forms the chief supply and the comparative inadequacy of the

supply under present arrangements. For such a location where as in this case the most suitable water is found at considerable depth, the more suitable type of plant is that employing some type of suction pump whereby the water may be drawn from the deeper underflow by suction as would be the case with a centrifugal or piston pump.

Jones-Dean.

H. R. Dean and Miss Hattie D. Jones, both of Corona, were united in marriage at the Valley Hotel Monday evening, March 7th, Judge J. E. Braxton performing the ceremony. Only a few friends witnessed the ceremony. After they had retired to their room, a number of the young folks gave them a lively charivari, lest they forget! Mr. and Mrs. Dean left on Tuesday for Corona, where they will make their home.

W. W. Wager and Sam Grafe were down from McIntosh yesterday.

Commissioners In Session

At the special meeting of the board of county commissioners held on Monday of this week, the returns of the special election of the village of Estancia were canvassed, and the clerk was instructed to issue certificates of election to the officers receiving the highest number of votes.

The resignation of W. D. Wasson as justice of the peace of Estancia precinct No. 7 was accepted and a petition signed by a number of the citizens of Estancia asking the appointment of J. E. Braxton as justice was granted. Mr. Braxton at once filed his bond and took the oath of office.

Reports of the census enumerators appointed at a previous meeting to take the census of several of the towns of the county to assist the assessor and clerk in the issuance of licenses, were approved, showing the towns to have the population as follows: Pinos Wells, 113; Encino, 170; Tajique, 258; Punta, 386.

The firm of Scott & Jensen was authorized to write insurance on the new court house in the sum of \$10,000, the same to begin with the sum of \$1,000 and increase as the work of building progresses. The premium for the insurance is to be paid by the contractor, according to the terms of the contract, until such time as he shall have turned over the building to the board of commissioners and same shall have been accepted by them.

After the payment of bills connected with the incorporation of Estancia out of the special fund for that purpose, the board adjourned to the next regular meeting, April 4th.

Receives Patent for Wire Stretcher

Ross Whitlock, one of our old time settlers south of town, has just received letters patent to a wire stretcher, which he recently invented. While very simple in construction, the affair is very substantially made and not easily broken. The patent number is 950883. His many friends here hope that Mr. Whitlock will be able to get some "filthy lucre" out of the thing.

P. R. Rutherford, J. M. Milburn, T. J. Curtis and Thomas L. Long, were in to attend the irrigation meeting Thursday.

SIGNING THE CONTRACTS

17 Farmers Subscribed for Stock of Irrigation Project Yesterday

MEANS GREAT DEAL

For the Development of the Valley and Growing of Crops each Year

The irrigation meeting at Walker's Hall yesterday afternoon was well attended, farmers from nearly all parts of the valley being present. The hall was full, even to standing room. Chairs were brought over from the M. E. church, and all were occupied.

Lucius Knight, chairman of the committee, made an address, explaining the proposition, giving much information that the farmers wanted to know. Mayor Van Stone and Attorney Ayers gave interesting statements of facts and figures, and those present were apparently well satisfied with the answers to questions and explanations on the part of the promoters.

General enthusiasm prevailed, and we were informed that seventeen quarter sections were subscribed on the spot. This is more than one fourth of the ten thousand acres required, and proves that our people want the plant. No doubt the remainder will be subscribed in a very short time, as soon as the people generally thoroughly understand the proposition.

Briefly the proposition of the promoters is this. They agree to erect a plant in Estancia sufficient to furnish electric power to pump water to irrigate ten thousand acres of land, build the necessary transmission lines, and furnish the pumps with which to raise the water. They ask that the people subscribe for ten thousand shares of stock at forty-five dollars per share, each share to represent an acre to be irrigated. Of this forty-five dollars, three dollars and a half of each share or \$560.00 per quarter section is to be paid as soon as the bonds are issued. The remainder, \$41.50 per acre or \$6,670 per quarter section to be paid in ten years, being secured by mortgage on the land, with interest at six per cent, payable semi-annually. This balance of \$6,670 per quarter section is to be paid by the contractor, according to the terms of the contract, until such time as he shall have turned over the building to the board of commissioners and same shall have been accepted by them.

Bowder-Feeny

At the Valley Hotel last evening, Judge J. E. Braxton united in marriage Miss Estelle Bowder and Francis B. Feeny, both of Lucia, N. M.

St. Patrick's Ball

The Catholic Ladies of Estancia are preparing to give a grand ball on the night of St. Patrick's day, Thursday, March 17, at Walker Hall. An invitation is extended to all to attend and enjoy the evening. Lunch will be served in the hall.

Irrigation is the all absorbing theme in Estancia this week.